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Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application. Entry of the amendments of the claims is respectfully requested.

1. (currently amended) A method of forming a reversible peptide-receptor complex comprising:
providing an immobilized GHS-R receptor; and
contacting the receptor with an isolated peptide, wherein the peptide comprises residues 24 to 37 of SEQ ID NO: 2;
and whereby the receptor binds the peptide.

2. (canceled)

3. (previously presented) The method of claim 1, wherein the GHS-R is expressed in tissue selected from the group consisting of:
   a. stomach;
   b. lung;
   c. pituitary;
   d. hypothalamus;
   e. hippocampus;
   f. kidney;
   g. duodenum;
   h. jejunum;
   i. small intestine;
   j. skeletal muscle, and
   k. pancreas.

4. (previously presented) The method of claim 1, wherein the receptor comprises residues 41 to 326 of SEQ ID NO: 5.

5. (previously presented) The method of claim 1, wherein the receptor comprises residues 1 to 366 of SEQ ID NO: 5.

6. (original) The method of claim 1, whereby the receptor is immobilized on a cell membrane.

7. (currently amended) A method of purifying cells comprising:
immobilizing a peptide comprising residues 24 to 37 of SEQ ID NO: 2~~, and~~;
contacting the peptide with cells expressing a GHS-R receptor, whereby the peptide binds the receptor and forms a peptide-receptor complex;
dissociating the peptide-receptor complex, and
recovering the purified receptor-expressing cells. ~~and whereby the cells are purified~~.

8. (canceled).

9. (previously presented) The method of purifying cells according to claim 7, wherein the receptor comprises residues 41 to 326 of SEQ ID NO: 5.

10. (currently amended) A method of purifying a peptide comprising:
immobilizing cells expressing a receptor, wherein the receptor comprises residues 41 to 326 of SEQ ID NO: 5;
contacting the immobilized cells with solutions containing a peptide, wherein the peptide comprises residues 24 to 37 of SEQ ID NO: 2; ~~and~~
forming the peptide-receptor complex;
dissociating the peptide-receptor complex, and
recovering the purified peptide.
~~and whereby the peptide is purified.~~